

## Liquid crystal display method and device for improving quality of cartoon pictures

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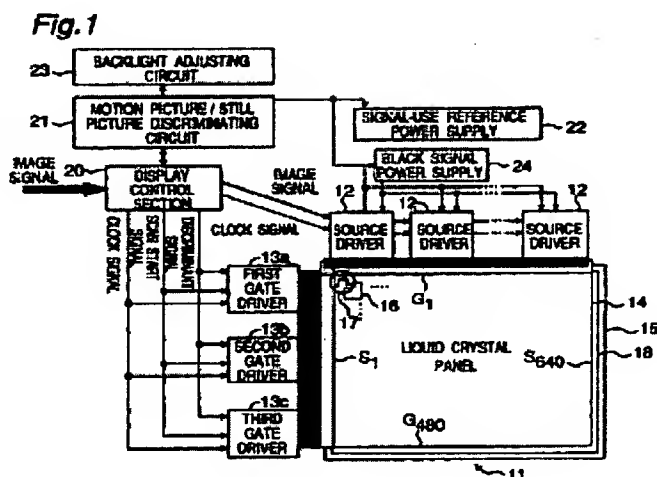
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Abstract not available for CN1279459

Abstract of corresponding document: **EP1061499**

A source driver 12 outputs a data signal and a reset (black) signal alternately to a source line S. Four-hundred and eighty gate lines G are divided into three groups each comprising 160 lines, and connected to gate drivers 13a - 13c. A display control section 20 outputs a discriminant signal, a scan start signal and a clock signal to the gate drivers 13, where the nth gate line G is selected with the data signal outputted by the source driver 12, and where the (n+160)th gate line G is selected with the reset signal outputted. Further, n is shifted sequentially. By writing the reset signal during the latter 1/3 of one frame like this, light leakage of pixels that are changed over from white display to black display is eliminated. Also, blurs of edge portions of a motion picture are reduced. Thus, display grade for motion pictures is enhanced with a minimum improvement.



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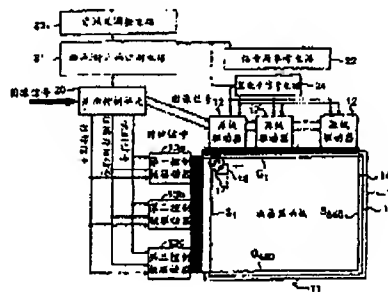
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[54]发明名称 液晶显示方法和改进动画显示质量的液晶显示装置

### [57] 摘要

一个源极驱动器 12 把数据信号和复位(黑电平)信号交替地输出给一个源极线 S。把 480 条控制线 G 分成 3 组,使每组由 160 条线组成,三组控制线分别与控制极驱动器 13a-13c 相连。显示控制单元 20 把识别信号、扫描开始信号和时钟信号输出给控制极驱动器 13,通过源极驱动器 12 输出的数据信号选择第 n 个控制线 G,并通过输出复位信号选择第 (n+160) 控制线 G,另外,顺序移动 n。



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